

CYBERSECURITY

RELEVANCE FOR DECISION MAKERS

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BOGOTA

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TREND 1: QUANTITY ATTACKS AGAINST COMPANIES

CYBERSECURITY IS A MAJOR CONCERN
BASICALLY ALL BUSINESSES THAT USE ICT ARE
VULNERABLE

TREND 1: QUANTITY

RELEVANCE FOR GOVERNMENTS ?

„ISN'T THIS A PRIVATE SECTOR PROBLEM“?

„SHOULDN'T GOVERNMENTS FOCUS ON CRIME“?

TREND 1: QUANTITY

CYBER ATTACKS AGAINST GOVERNMENTS

CONCERN FOR DECADES

INCREASING DEPENDENCE ON ICT

TREND 1: QUANTITY

GOVERNMENTS STRUGGLE WITH RESPONSE

LESS RESOURCES – COMPETITION FOR BEST PEOPLE

DESPITE IMPROVEMENTS LACK OF STRATEGY

LACK OF AWARENESS AT TOP LEVEL

LIMITED RISK ASSESSMENTS

OUTDATED POLICIES AND LEGISLATION

TREND 1: QUANTITY

GOVERNMENTS PLAY A MAJOR ROLE FOR COMPANIES
WITHOUT DEFENSE CAPACITIES LACK OF RESPONSE
COMPANIES SEEK FOR GUIDANCE

TREND 2: THE CHALLENGES WILL INCREASE

TECHNICAL INNOVATIONS CONTINUE
AMAZING OPPORTUNITIES FOR SOCIETY
ESPECIALLY WITH REGARD TO ARTIFICIAL INTELLIGENCE

TREND 2: THE CHALLENGES WILL INCREASE

AI HAS THE POTENTIAL TO BE A GAME CHANGER
SIGNIFICANT DEVELOPMENTS
„SECOND HALF OF THE CHESS BOARD“

TREND 2: THE CHALLENGES WILL INCREASE

EXAMPLE: SELF DRIVING CARS
VARIOUS TEST PROJECTS

NOT A SINGLE ACCIDENT CAUSED BY SELF
DRIVING CARS IN GOOGLES PROJECT

TREND 2: THE CHALLENGES WILL INCREASE

OBVIOUSLY THERE IS A DEBATE ABOUT CYBERSECURITY
THREATS OF HACKING ATTACKS

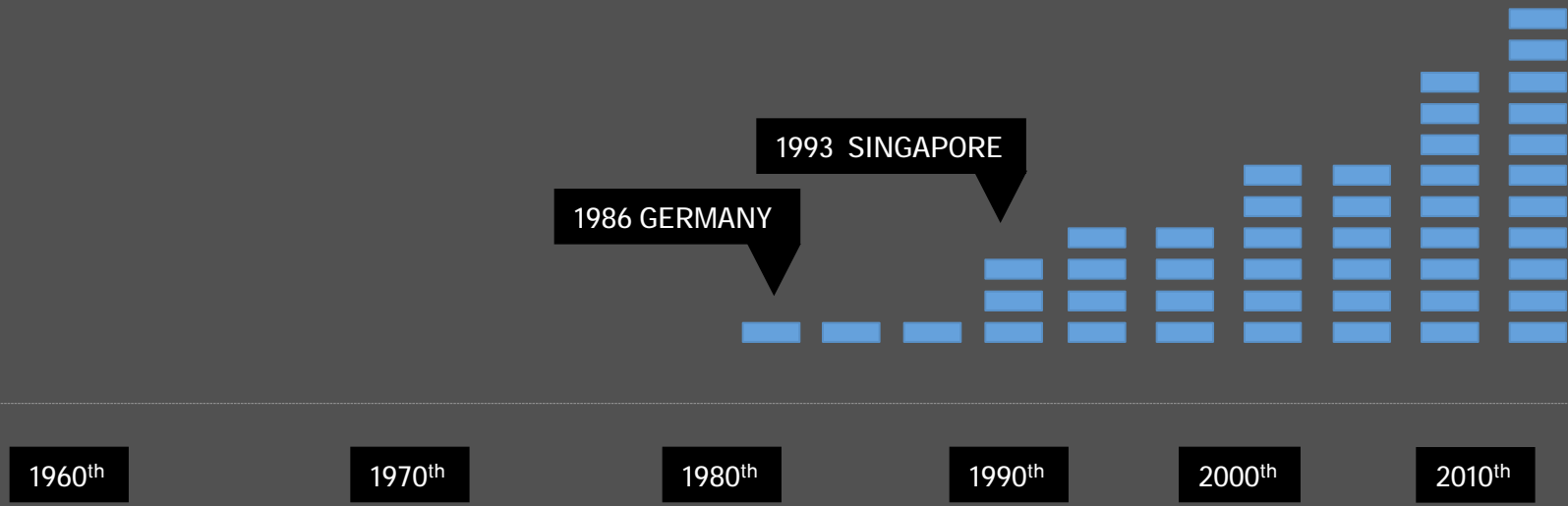
TREND 2: THE CHALLENGES WILL INCREASE

RECENT RESEARCHES SHOW THE POTENTIAL
COUNTER MEASURES NEED TO BE DISCUSSED
BUT THE DISCUSSION SHOULD NOT IGNORE
REMAINING PHYSICAL VULNERABILITIES

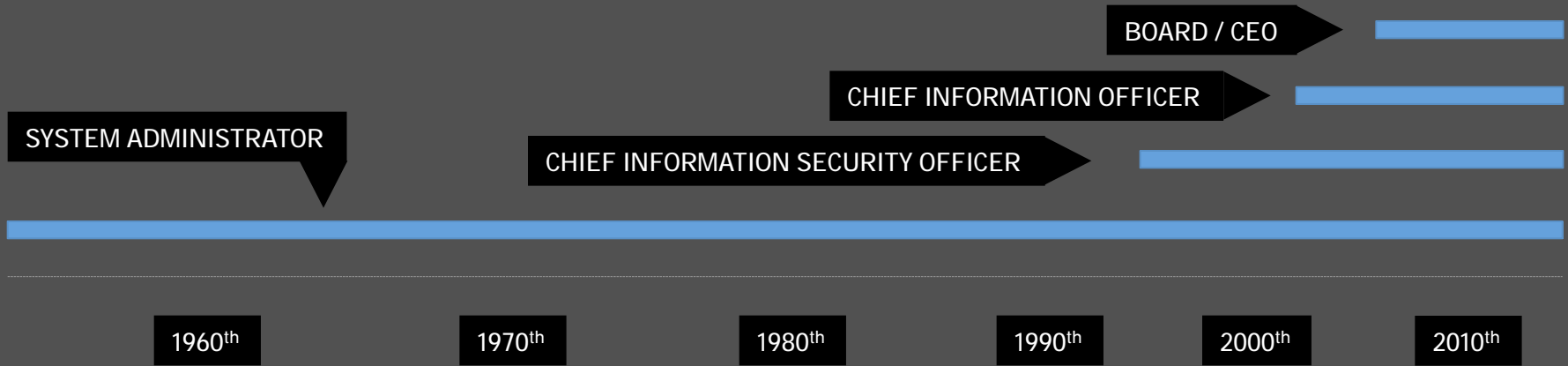
TREND 2: THE CHALLENGES WILL INCREASE

BUT FOR SOCIETIES IT IS NECESSARY LOOK
BEYOND OBVIOUS SECURITY RISKS
MAJOR IMPACT ON SOCIETIES IN GENERAL
AND JOBS

DEVELOPMENT LEGISLATION



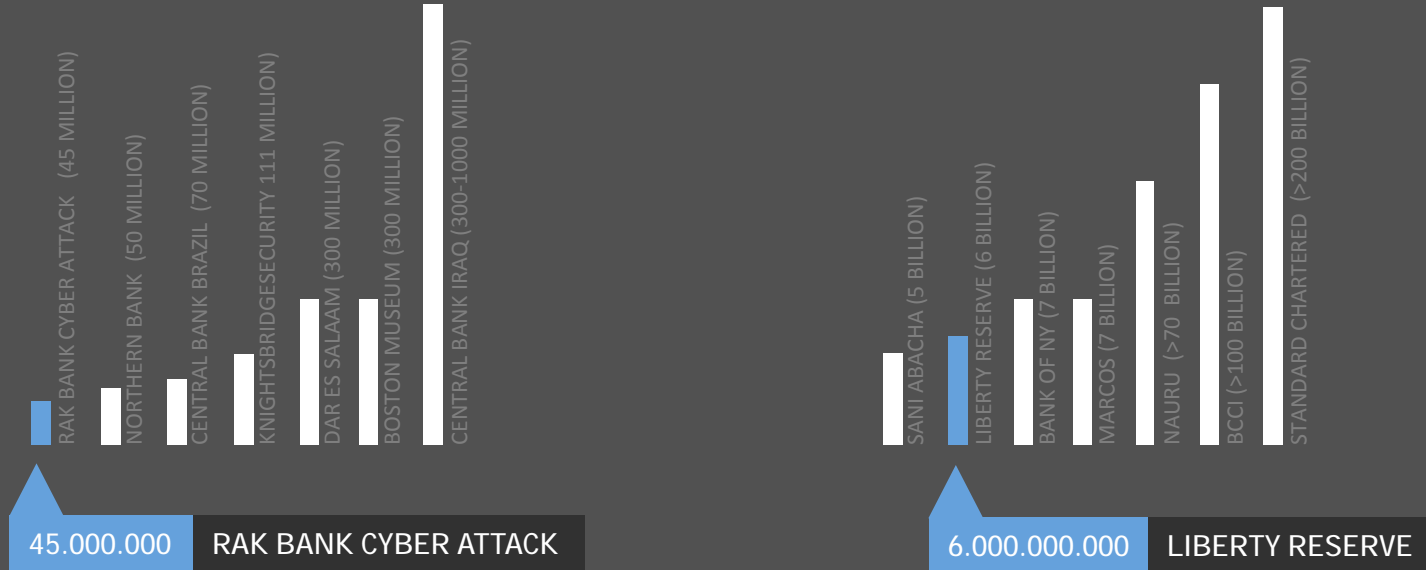
DEVELOPMENT - RESPONSIBILITY



TREND 3: TOP LEVEL INVOLVEMENT

CYBERSECURITY HAS BECOME A BOARD ISSUE
IS YOUR CABINET INVOLVED?

TREND 4: CYBERCRIME HAS „GROWN UP“



INCREASING LOSSES

LOSSES ARE INCREASING

BASICALLY ALL BUSINESSES THAT USE ICT ARE

VULNERABLE

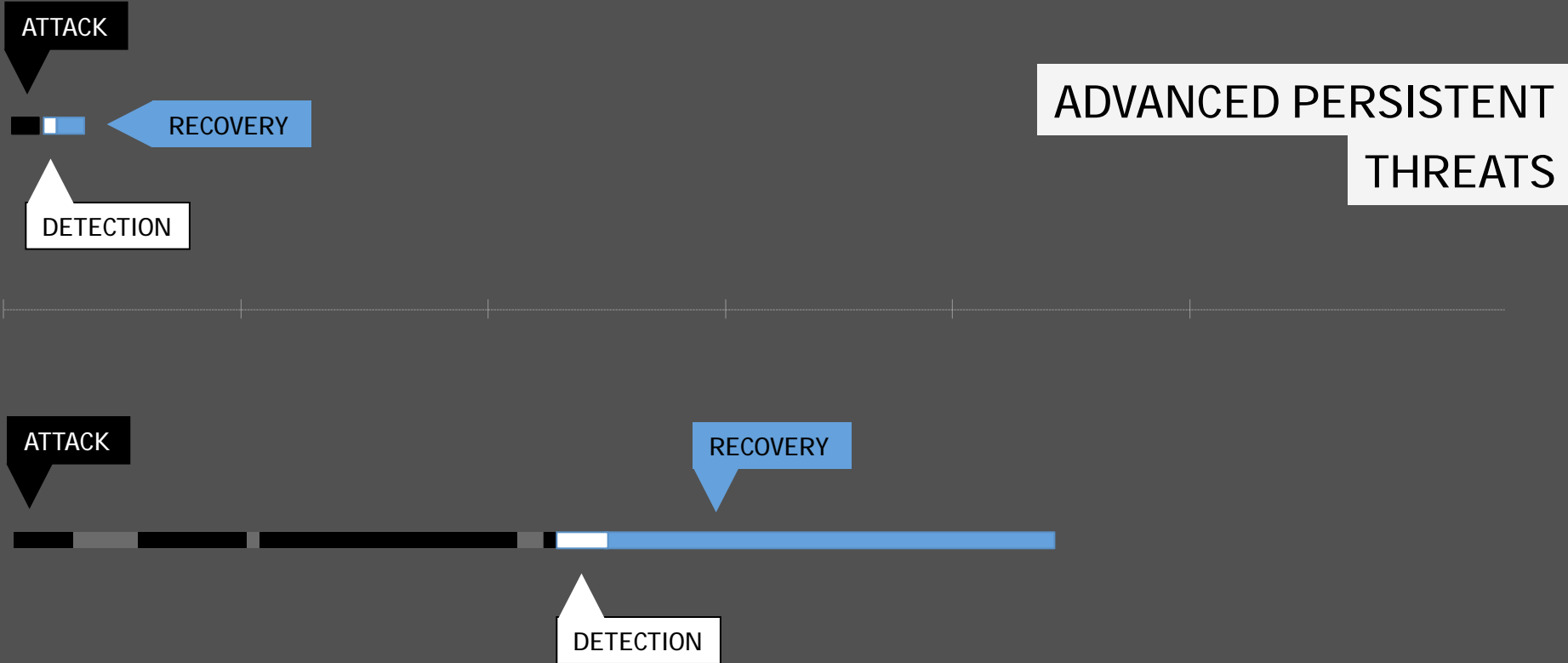
DEVELOPING A RESPONSE STRATEGY CHALLENGING

ATTACKS AGAINST LAW AND ACC. FIRMS

INCREASING QUALITY AND QUANTITY

A SIGNIFICANT NUMBER OF THE RECENT ATTACKS INCLUDED
ATTACKS AGAINST VENDORS, SUPPLIER OR CONSULTANTS

TREND 7: DEVELOPMENTS WITH REGARD TO ATTACK QUALITY



CHANGING SOLUTIONS

PREVENTION

RECOVERY

DETECTION

PREVENTION

INSURANCES THAT ADDRESS THE SPECIFIC RISKS AND PROVIDE SUFFICIENT COVERAGE

SENSORS
NEXT GENERATION SECURITY OPERATION CENTER
SECURITY INFORMATION AND EVENT MANAGEMENT (SIEM)

PAST

TODAY

